Adventures in Aeronautics			
2002 Mathematics			
Content Standards			
New Mexico Mathematics			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	NM	MA.3.3.N.1.1.b	Exhibit an understanding of the place-value structure of the base-ten number system by (comparing and ordering numbers up to 1,000)
Adventures in Aeronautics	NM	MA.3.3.N.2.1	Use a variety of models to show an understanding of multiplication and division of whole numbers (e.g., charts, arrays, diagrams, and physical models [i.e., modeling multiplication with a variety of pictures, diagrams, and concrete tools to help students learn what the factors and products represent in various contexts]).
Adventures in Aeronautics	NM	MA.3.3.N.2.2	Find the sum or difference of two whole numbers between 0 and 10,000.
Adventures in Aeronautics	NM	MA.3.3.N.2.3	Solve simple multiplication and division problems (e.g., 135 ÷ 5 = []).
Adventures in Aeronautics	NM	MA.3.3.N.2.4	Identify how the number of groups and the number of items in each group equals a product.
Adventures in Aeronautics	NM	MA.3.3.N.2.5	Demonstrate the effects of multiplying and dividing on whole numbers (e.g., to find the total number of legs on 12 cats, 4 represents the number of each [cat] unit, so 12 x 4 = 48 [leg] units).
Adventures in Aeronautics	NM	MA.3.3.N.2.7	Select and use operations (e.g., addition, multiplication, subtraction, division) to solve problems.
Adventures in Aeronautics	NM	MA.3.3.N.3.1	Choose computational methods based on understanding the base-ten number system, properties of multiplication and division, and number relationships.
Adventures in Aeronautics	NM	MA.3.3.N.3.3	Compute with basic number combinations (e.g., multiplication pairs up to 10 x 10 and their division counterparts).
Adventures in Aeronautics	NM	MA.3.3.G.2.2	Use ordered pairs to graph, locate specific points, create paths, and measure distances within a coordinate grid system.
Adventures in Aeronautics	NM	MA.3.3.G.4.4	Use geometric models to solve problems in other areas of mathematics (e.g., using arrays as models of multiplication or area).
Adventures in Aeronautics	NM	MA.3.3.M.1.3	Identify time to the nearest minute (elapsed time) and relate time to everyday events.
Adventures in Aeronautics	NM	MA.3.3.M.1.4	Identify and use time intervals (e.g., hours, days, weeks, months, years).
Adventures in Aeronautics	NM	MA.3.3.M.1.5	Identify properties (e.g., length, area, weight, volume) and select the appropriate type of unit for measuring each property.

Adventures in Aeronautics	NM	MA.3.3.M.2.3	Use appropriate standard units and tools to estimate, measure, and solve problems (e.g., length, area, weight).
Adventures in Aeronautics			
2002 Mathematics			
Content Standards			
New Mexico Mathematics			
Grade 4			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	NM	MA.4.4.N.2.1.a	Demonstrate an understanding of and the ability to use standard algorithms for the addition and subtraction of multi-digit numbers
Adventures in Aeronautics	NM	MA.4.4.N.2.2	Select and use appropriate operations (addition, subtraction, multiplication, and division) to solve problems.
Adventures in Aeronautics	NM	MA.4.4.N.2.5	Demonstrate the concept of distributivity of multiplication over addition and subtraction (e.g., 7 x 28 is equivalent to (7 x 20) + (7 x 8) or (7 x 30) - (7 x 2)).
Adventures in Aeronautics	NM	MA.4.4.G.2.3	Use a variety of methods for measuring distances between locations on a grid.
Adventures in Aeronautics	NM	MA.4.4.M.2.3	Estimate, measure, and solve problems involving length, area, mass, time, and temperature using appropriate standard units and tools.
Adventures in Aeronautics	NM	MA.4.4.M.2.5	Compute elapsed time and make and interpret schedules.
Adventures in Aeronautics			
2002 Mathematics			
Content Standards			
New Mexico Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Adventures in Aeronautics	NM	MA.5.5.N.1.1.a	Compare and order using concrete or illustrated models (whole numbers (to millions))
Adventures in Aeronautics	NM	MA.5.5.N.3.1	Add, subtract, multiply, and divide whole numbers.
Adventures in Aeronautics	NM	MA.5.5.M.1.1	Understand properties (e.g., length, area, weight, volume) and select the appropriate type of unit for measuring each using both U.S. customary and metric systems.
Adventures in Aeronautics	NM	MA.5.5.M.1.3	Solve problems involving linear measurement, weight, and capacity (e.g., measuring to the nearest sixteenth of an inch or nearest millimeter; using ounces, milliliters, or pounds and kilograms) to the appropriate degree of accuracy.
Adventures in Aeronautics	NM	MA.5.5.M.2.1	Solve measurement problems using appropriate tools involving length, perimeter, weight, capacity, time, and temperature.

Adventures in Aeronautics	NM	MA.5.5.M.2.2	Select and use strategies to estimate measurements including length, distance, capacity, and time.